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0.21

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$$\begin{array}{c} 0 \\ G_{2} \\ C_{y} \\ C_{$$

chain nodes : 15 16 18 19 21 22

Page 2

CHU

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

13-21 15-16 15-18 18-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 12-13

exact/norm bonds :

5-7 6-9 8-9 13-21 15-16 15-18 18-19

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-10 8-13 10-11 11-12 12-13

G1:0,S,N

G2:S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 15:CLASS 16:CLASS 18:CLASS 19:Atom 20:CLASS

21:CLASS 22:CLASS 23:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 ST

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 11:19:25 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1311 TO ITERATE

100.0% PROCESSED

1311 ITERATIONS

5 ANSWERS

Page 3

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10821642 11/27/05

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS:

24048 TO 28392

PROJECTED ANSWERS:

5 TO 234

L2

5 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 11:19:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 26373 TO ITERATE

100.0% PROCESSED 26373 ITERATIONS

75 ANSWERS

SEARCH TIME: 00.00.03

L3

75 SEA SSS FUL L1

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SESSION 161.54

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=> s 13

L4

3 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 3 CAPLUS COPTRIGHT 2005 ACS on STE ACCESSION NUMERA: 2005:99226 CAPLUS 142:197859

TITLE: SUBJECT NUMERA: 12:197859 Preparation of dibenzo[b, f] furan-1-carbozamides, SH-carbozamides and dibenzo[b, d] thiophenes d-carbozamides as FIEM inhibitors for the treatment of inflammatory and allergic disorders Gopalan, Balsubramanians Gherat, Laxmikant A.; Laxdiswals, Aftab D.; Karunakaran, Usha Glennark Pharamocauticals, Inc. USA, USA U.S. Pat. Appl. Publ., 59 pp., Cont.-in-part of Appl. DOCRENT TYPE: Patant DOCUMENT TYPE: Patent (2)1.07 FAMILY ACC. NUM. COUNT: PN FD PATERT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE US 2005027129 Vo 2004089940 20050203 20040409 OTHER SOURCE(S): MARPAT 142:197859

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) diffuoromethoxy-8-[(methylsulfomyl)amino]dibenzo(b,d]furan-1-carboxemide 778576-66-2P, N-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8-acstemidodibenzo(b,d]furan-1-carboxamide 778576-68-2P, N-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8-[(ethoxycarbomylcarbomyl) amino]dibenzo(b,d]furan-1-carboxamide 778576-70-8P, N-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8-[(hydroxycarbomylcarbomyl) amino]dibenzo(b,d]furan-1-carboxamide 778576-70-8P, N-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8-[(fur-2-yl)-carboxyl]amino]dibenzo(b,d]furan-1-carboxamide 778576-70-2P, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-[(fur-2-yl)-carboxyl)-amino]dibenzo(b,d]furan-1-carboxamide 778576-92-4P, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-[(2-ethoxy-2-cxosethyl)-amino]dibenzo(b,d]furan-1-carboxamide RL: FAC (Fharaacological activity); RCT (Reactant); SFN (Synthetic preparation); THU (Therapsutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (PDE4 inhibitor; prepn. of tricyclic heterocycles as PDE4 inhibitors for treatment of immune and inflammatory disorders and insulin resistant diabetes) 778576-44-6 CAPLUS

1-Bibenzofurancarboxamida, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8-(furathically and langel (furathically and langel (furathically and langel) (furathically and langel (furathically and langel) (furathically and lan 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methory-8-[(methylsulfonyl)amino]- (9CI) (CA INDEX NAME)

778576-37-7 CAPLUS
1-Dibenzofurancarboxamide, 8-(acetylamino)-N-(3,5-dichloro-4-pyridinyl)-4-methoxy-(9CI) (CA INDEX NAME)

ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

Title heterocyclic tricycles I [wherein Rl-R3, R5, R6, Ra = independently H, (un)substituted (cyclo)alkyl, (cyclo)alkenyl, alkymyl, (betero)aryl, heterocycly[alkyl], etc., R4 = NR5R6 [R5, R6 = H. alkyl, cycloslkyl, etc.), heterocyclyl, str., R4 = NR5R6 [R5, R6 = H. alkyl, cycloslkyl, etc.), heterocyclyl, R = (un)substituted aryl[alkyl], heterocyclyl, heterocyclyl; R = (un)substituted aryl[alkyl], heterocyclyl, R = H, GH, GRA, (un)substituted alkyl, aryl, heterocyclyl; P = 0, S; m = 0-3; n = 1-4; Rs = H, alkyl, cycloslkyl, etc., and tautomars, rejoisomers, stereoisomers, enantiomers, diastereomers, polymorphs, N-oxides, phermaceutically acceptable salts, solvates, and compns. thereof] were prepared as phosphodiesterase type 4 (PDE4) inhibitors. For example, N-(3,5-dichloropyrid-4-y)!4-ashtowys-8-aminodibenco(b,f]furnan-1-carboxamide (prepared in six steps from isovanillin, 4-fluoronitrobenzene, and 4-amino-3,5-dichloropyridins) was coupled with mathanesulfomyl chloride in THF and pyridine to give the sulfonamide II. The latter inhibited the PDE4-induced conversion of [SH] CMMP to the corresponding [JH] S'-AMF with ICS of 0.5058 Mt. Thus, I and their pharmaceutical compns. are useful for the treatment of immine disorders, inflammatory conditions, sallergic conditions, CNS diseases, and insulin resistant diabetes (no data).
778576-42-49, N-(3,5-Dichloropyridin-4-yl)-4-methony-8-acetamidedibenzo(b,d]furan-1-carboxamide 778576-41-39, N-(3,5-Dichloropyridin-4-yl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid-cyl)-1-methony-8-(methylismid

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-41-3 CAPIUS
Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl)emino]carbonyl]-6-methoxy-2-dibenzofuranyl]emino]oxo- (9CI) (CA INDEX NAME)

778576-42-4 CAPLUS
Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methory-2-dibenzofuranyl]amino]oxo-, ethyl ester (9CI) (CA INDEX NAME)

ANSYER 1 OF 3 CAPLUS COPTRIGHT 2005 ACS on STN (Continued)
778576-49-1 CAPLUS
Carbanic acid, [9-[(3,5-dichloro-4-pyridinyl)amino]carbonyl}-6-mathomy-2dibenrofuranyl]-, phenyl ester (SCI) (CA INDEX NAME)

778576~54-8 CAPLUS 1-Piperaginecarboxamide, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbomyl]-6-mathoxy-2-dibenzofuranyl]-4-mathyl- (9CI) (CA IMDEX NAME)

778576-62-8 CAPLUS 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-[(methylsulfonyl)amino]- (9CI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-70-8 CAPLUS
Acetic acid, [[9-[[3,5-dichloro-4-pyridinyl)amino]carbonyl]-6(difluoromathoxy)-2-dibenzofuranyl]amino]oxo- (9CI) (CA INDEX NAME)

778576-72-0 CAPLUS //85/6-72-0 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)-8-[{2-furanylcarbonyl}amino]- (9CI) (CA INDEX NAME)

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## 11/27/05

LA ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STH (Continued)

778576-66-2 CAPLUS
1-Dibenzofurancarboxamide, 8-(scetylamino)-N-(3,5-dichloro-4-pyridinyl)-4difluorasthoxy)- (9C1) (CA INDEX NAME)

778576-69-5 CAPLUS
Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl]amino]carbonyl]-6(difluoromathoxy)-2-dibenzofuranyl]amino]oxo-, ethyl ester [9CI] (CA
INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
778576-90-2 CAPLUS
Glycine, N-[[9-{[3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]amino]carbonyl]-, ethyl ester (SCI) (CA INDEX NAME)

778576-92-4 CAPLUS
Glycins, N-[9-[1(3,5-dichloro-4-pyridinyl)amino]carbonyl}-6-mathoxy-2dibenzofuranyl-, ethyl estar (SCI) (CA INDEX NAME)

778576-35-59 778576-36-69, N-(3,5-Dichloropyridin-4-y1)4-methoxy-8-[(ethylsulfony)] sainoldibenzo[b,d]furan-1-carboxaside
778576-38-89, N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(3chloroproy)] carbonyl] sainoldibenzo[b,d]furan-1-carboxaside
778576-39-89, N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8[(ethylcarbonyl) sainoldibenzo[b,d]furan-1-carboxaside
778576-40-29,
N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(tetry-1-carboxaside
778576-40-29,
N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(tyto-y-carbonyl)amino]
dibenzo[b,d]furan-1-carboxaside sodius sait 778576-46-69,
N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(tyto-y-carbonyl)amino]
dibenzo[b,d]furan-1-carboxaside sodius sait 778576-46-69,
N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(sydo-y-cyplcarbonyl)amino]
dibenzo[b,d]furan-1-carboxaside
778576-46-89, N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(sydo-y-cyplcarbonyl)amino]
dibenzo[b,d]furan-1-carboxaside
778576-47-99, N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(sydo-y-cyplcarbonyl)amino]
dibenzo[b,d]furan-1-carboxaside
778576-47-99, N-(3,5-Dichloropyridin-4-y1)-4-methoxy-8-[(ethoxy-carboxaside

ANSWER 1 OF 3 CAPLUS COPTRIGHT 2005 ACS on STW (Continued) 778376-48-0P, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-((discbuty)loxy)-carbonyl) aninoldibenzo(b,d) furan-1-carboxanide 778376-50-69, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-((oyclopropy)) athoxycarbonyl) aninoldibenzo(b,d) furan-1-carboxanide 778376-31-379, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((crif.) uoromathyl) aninoldibenzo(b,d) furan-1-carboxanide 778376-31-379, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((distby)) aninoldibenzo(b,d) furan-1-carboxanide 778376-31-379, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((distby)) aninoldibenzo(b,d) furan-1-carboxanide 778376-31-399, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((mapropy)) aninoldibenzo(b,d) furan-1-carboxanide 778376-30-399, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((mapropy)) aninoldibenzo(b,d) furan-1-carboxanide 778376-30-99, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((mapropy)) aninoldibenzo(b,d) furan-1-carboxanide 778376-30-99, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((mapropy)) aninoldibenzo(b,d) furan-1-carboxanide 778376-30-99, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-(((mapropy)) aninoldibenzo(b,d) furan-1-carboxanide 778376-30-39,

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-38-8 CAPLUS
1-Dihenzofurancerboxamide, 8-{(4-chloro-1-oxobuty1)amino]-N-(3,5-dichloro-4-pyridiny1)-4-methoxy- (9CI) (CA INDEX NAME)

778576-39-9 CAPLUS 1-Dibenzofurancarboxamide, N-{3,5-dichloro-4-pyridiny1}-4-methoxy-8-{{1-oxopropy1}amino}-{9CI} (CA INDEX NAME) ABSVER 1 OF 3 CAPLES COPYRIGHT 2005 ACS on STH (Continued) ((sthy)sulfony); amino)-9H-carbazols-4-Carboxamide 778576-97-99, B-(3,5-Dichloropyridin-4-yl)-1-asthoxy-9-sathyl-6-propionamide-9H-carbazols-4-Carboxamide 778576-98-09, B-(3,5-Dichloropyridin-4-yl)-4-difpuslfonyl) amino] dibenzolp, d) furan-1-carboxamide disodium sult 778576-99-19 778577-06-29, B-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8-acetamiddibenzolp, d) furan-1-carboxamide sodium sult 778577-07-49, B-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8-[(fur-2-yl)]carboxyl] amino] dibenzo[b, d] furan-1-carboxamide sodium sult 778591-69-49
RLL FAC [Pharmacological activities Company of the sulf aminosity of the ,:0001-03-04P
RL: PAC (Pharmacological activity): SFH (Synthetic preparation): THU
(Therapeutic use): BIOL (Biological study): PREP (Preparation): USES
(Uses) (FUEM inhibitor; preps. of tricyclic beterocycles as FUEM inhibitors for treatment of immune and inflammatory disorders and insulin resistant diabetes) 778576-35-5 CAPLUS

1-Dibenzofurancarboxamide, N-{3,5-dichloro-4-pyridiny1}-8-[[(dimethylamino)sulfony1]amino]-4-methoxy- (9CI) (CA INDEX NAME)

778576-36-6 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridimyl)-8[(ethylsulfonyl)amino]-4-methoxy- (9CI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 778576-40-2 CAPLUS 1-Dibeacofurancarboxamide, N-{3,5-dichloro-4-pyridinyl}-8-{{2,2-dimethyl-1-oxopropyl}amino}-4-methoxy- (9C1) (CA INDEX NAME)

778576-43-5 CAPLUS
Acetic acid, {[9-{{(3,5-dichloro-4-pyridinyl)amino]carbonyl}-6-methoxy-2-dibenzofuranyl]amino]oxo-, monosodium salt (9CI) (CA INDEX NAME)

778576-44-6 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8-[(2-furanylcarbonyl)amino]-4-methoxy- (9CI) (CA INDEX NAME)

L4 ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 778576-45-7 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-[(cyclopropylcarboxy)] amino]-N-(3,5-dichloro-4-pyridinyl)-4-mathoxy- (9Cl) (CA INDEX NAME)

RN 778576-46-8 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-{bis{cyclopropylcarbonyl}amino}-N-(3,5-dichloro-4-pyridicyl)-4-mathoxy- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued

RN 778576-50-4 CAPLUS
CN Carbanic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]-, cyclopropylmethyl ester (9CI) (CA INDEX NAME)

RN 778576-51-5 CAPLUS
CN Carbanic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-mathoxy-2-dibenzofuranyl]-, 2,2,2-trifluoroethyl ester (9Cl) (CA INDEX NAME)

LA ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STH (Continued

RN 778576-47-9 CAPLUS
CN Carbanic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]-, ethyl ester (9CI) (CA INDEX NAME)

RN 778576-49-0 CAPLUS
CN Carbanic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]-, 2-methylpropyl ester [9Cl] (CA INDEX NAME)

ANSWER 1 OF 3 CAPIUS COPTRIGHT 2005 ACS on STN (Continued)

RN 778576-52-6 CAPIUS

1-Dibenofurancerboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(diethylamino)carboxyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

RN 778576-53-7 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-[[(cyclopentylamino)carbonyl]amino]-N-(3,5-dichloro-4-pyridinyl)-4-mathoxy- (9CI) (CA INDEX NAME)

FN 778576-55-9 CAPLUS
CN 1-Piperazinecarboxamide, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methomy-2-dibenzofuranyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

NIH-C-O-CE2-CF3

ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

• HC1

778576-56-0 CAPLUS
1-Piperidinecarboxamide, N-{9-[[(3,5-dichloro-4-pyridinyl)amino]carbomyl]-6-mathoxy-2-dibenzofuramyl}-4-hydroxy- (9Cl) (CA INDEX NAME)

778576-57-1 CAPLUS
4-Morpholinecarboxamide, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-mathoxy-2-dibenzofuranyl]- (9CI) (CA INDEX NAME)

(Continued)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-60-6 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(ethylamino)carbonyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

778576-61-7 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8[[(methylamino)carbonyl]amino]- [9C1] (CA INDEX NAME)

CHU

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LA ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STN

778576-58-2 CAPLUS
1-Dibenzofurancarboxamide, N-{3,5-dichloro-4-pyridiny1}-4-methomy-8-[[{{1-methylethyl) amino}carbony1}amino}- (9CI) (CA INDEX NAME)

778576-59-3 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(hexylamino)carbonyl]amino)-4-methomy- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
RN 778576-63-9 CAPLUS
CN 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4(diffuoromethoxy)-8-[(methylsulfonyl)amino]-, monosodium salt (9CI) (CA
INDEX NAME)

F2CH-

778576-64-0 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)-8-[(ethylsulfonyl)amino]- (9CI) (CA INDEX NAME)

778576-65-1 CAPLUS
1-Bibenzofurancarboxemide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-[(dimethylamino) sulfonyl]amino)- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-67-3 CAPLUS
1-Dibenzofurancarboxamide, 8-[(2-chloro-1-oxobutyl) amino]-N-(3,5-dichloro-4-pyridinyl)-4-(difluoromathoxy)- (9CI) (CA INDEX NAME)

778576-69-4 CAPIUS
1-Dibenzofurancarboxamide, 8-{{cyclopropylcarbonyl} amino}-N-{3,5-dichloro-4-pyridinyl}-4-{difluoromethoxy}-{9Cl} (CA INDEX NAME)

778576-77-5 CAPLUS
1-Dibezzofurancarboxamide, 8-{acetylamino}-4-methoxy-N-(4-methoxyphenyl)-(9CI) (CA INDEX NAME)

778576-83-3 CAPLUS
1-Dibenzofuranerboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(ethylamino)thioxomethyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

RN 778576-87-7 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-(acetylamino)-N-(3,5-dichloro-1-oxido-4-pyridiny))-4-methoxy- (9GI) (CA INDEX NAME)

778576-84-4 CAPLUS
1-Dibenzofurancerboxamide, 8-[[(butylamino)thioxomethyl)smino]-N-(3,5-dichloro-4-pyridinyl)-4-methoxy- [9CI] (CA INDEX NAME)

CHU

LA AMSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-71-9 CAPLUS Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl]amino]carbonyl]-6(difluoromethoxy)-2-dibenzofuranyl]amino]oxo-, disodium salt [9CI] (CA
INDEX HAME)

778576-73-1 CAPMUS
1-Dibenzofurancarboxamide, 8-{acetylamino}-4-methoxy-N-phenyl- {9CI} (CAINDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-85-5 CAPLUS 1-Dibenzofurancarboxamide, 8-{acetylamino}-4-methoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)

LA ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

FN 778576-88-8 CAPLUS
CN 1-Dibenzofurancarboxamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-4-methoxy-8-((methylsulfonyl)amino)- (9CI) (CA INDEX NAME)

RN 778576-89-9 CAPLUS
CN 1-Dibenzorioranzarboxamide, 8-(acetylamino)-4-methoxy-N-4-pyridinyl- (9CI)
(CA INDEX NAME)

LA ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continue

RN · 778576-91-3 CAPLUS
CN Glycine, H-[[[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

RN 778576-93-5 CAPLUS
CN Glycine, N-{9-{[(3,5-dichloro-4-pyridinyl)amino]carbonyl}-6-methoxy-2-dibenzofuranyl}- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

FM 778576-94-6 CAPLUS
CM 9H-Carbazole-4-carboxanide, 6-(acetylamino)-N-(3,5-dichloro-4-pyridinyl)-1-methoxy-9-methyl- (9CI) (CA INDEX NAME)

RN 778576-95-7 CAPLUS
CN 9H-Carbazole-4-carboxanide, N-{3,5-dichloro-4-pyridinyl}-1-methoxy-9-methyl-6-[{methylbulfonyl}amino]- {9Cl} (CA\_INDEX\_NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

N 778576-96-8 CAPLUS
N 9H-Carbazole-4-carboxamide, N-(3,5-dichloro-4-pyridinyl)-6[(ethyloulfonyl)amino]-1-methoxy-9-methyl- (9Cl) (CA INDEX NAME)

N 778576-97-9 CAPLUS

- 9H-Gerbesole-4-oerboxemide, N-(3,5-dichloro-4-pyridinyl)-1-methoxy-9
methyl-6-[(1-cxorpoyl)emino]- (SCI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-98-0 CAPLUS
1-Dibenrofurancerboxanide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromathoxy)-8-[(mathylsulfonyl)mino]-, disodium selt (9CI) (CA INDEX NAME)

●2 Na

778576-99-1 CAPLUS
1-Dibenzothiophenecarboxamide, 8-(acetylamino)-N-(3,5-dichloro-4-pyridiny1)-4-methoxy-, disodium salt (9CI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

F2CH

778581-69-4 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8-(trifluoroacetyl)aminoj- (9CI) (CA INDEX NAME)

685874-79-7P, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8nitrodibenzo(b,d)furan-1-carboxamide 685874-81-1P,
N-(Pyridin-3-yl)-4-mathoxy-8-nitrodibenzo(b,d)furan-1-carboxamide
685874-98-0P, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8aminodibenzo(b,d)furan-1-carboxamide 685875-02-9P,
N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8-nitrodibenzo(b,d)furan-1carboxamide 685875-03-0P, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-9-mathodibenzo(b,d)furan-1-carboxamide
776576-28-69, N-(3,5-Dichloropyridin-4-yl)-1-mathoxy-9-mathyl-6amino-9%-carbazole-4-carboxamide 776576-33-39,
N-(3,5-Dichloropyridin-4-yl)-1-mathoxy-9-mathyl-6-nitro-9H-carbazole-4carboxamide 776576-74-2P, N-Phenyl-4-mathoxy-8nitrodibenzo(b,d)furan-1-carboxamide 776576-64P,
N-Phenyl-4-mathoxy-8-mainodibenzo(b,d)furan-1-carboxamide
776876-78-6, N-(4-Mathoxyphenyl)-4-mathoxy-8nitrodibenzo(b,d)furan-1-carboxamide 776576-79-PP,
N-(4-Mathoxyphenyl)-4-mathoxy-8-aninodibenzo(b,d)furan-1-carboxamide

(Continued) LA ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

●2 Na

778577-06-3 CAPLUS
1-Dibenzofurancarboxamide, 8-(scetylamino)-N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)-, monosodium salt (9CI) (CA INDEX NAME)

F2CH

778577-07-4 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-[(2-furanylcarbonyl)amino]-, monosodium salt (SCI) (CA INDEX NAME)

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 776576-86-69, N-(Pyridin-3-y1)-4-methoxy-9-sminodibenzo[b,d]furan-1-carboxamide RL: RCT (Reactant): SFN (Synthetic preparation): PREP (Preparation): RACT (Reactant or respent)
(intermediate) preps. of tricyclic heterocycles as PDB4 inhibitors for treatment of immuse and inflammatory disorders and insulis resistant

diabetes)
685874-79-7 CAPIUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8-nitro(9CI) (CA INDEX NAME)

685874-81-1 CAPLUS 1-Dibenzofurancarboxemide, 4-methoxy-8-nitro-N-3-pyridinyl- (9CI) (CA INDEX NAME)

685874-98-0 CAPLUS 1-Dibenzofurancarbonam (9CI) (CA INDEX NAME) oxamide, 8-amino-N-(3,5-dichloro-4-pyridinyl)-4-methoxy-

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L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued

RN 655875-02-9 CAPLUS
CN 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-nitro- (9CI) (CA INDEX NAME)

RN 685875-03-0 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-amino-N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)- (9CI) (CA INDEX NAME)

LA ANSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued

RH 778576-28-6 CAPLUS
CH SH-Carbazole-4-carbox amide, 6-amino-N-(3,5-dichloro-4-pyridinyl)-1-methomy9-methyl- (9CI) (CA INDEX NAME)

RN 778576-33-3 CAPLUS
CN 9H-Carbarole-4-carboxamide, N-(3,5-dichloro-4-pyridinyl)-1-methoxy-9-methyl-5-mitro- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 778576-74-2 CAPLUS
CN 1-Dibenzofurancarboxamide, 4-methoxy-8-nitro-N-phenyl- (9CI) (CA INDEX

RN 778576-76-4 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-amino-4-mathoxy-N-phenyl- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

RN 778576-79-7 CAPLUS
CN 1-Dibenzofurancarboxamide, 8-amino-4-methoxy-N-(4-methoxyphenyl)- (9CI)
(CA INDEX NAME)

EN 778576-86-6 CAPLUS
CN 1-Dibenzofurancerboxamide, %-amino-4-methoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)

NH2

RN 778576-78-6 CAPLUS

1-Dibenzofurancarboxamids, 4-methoxy-N-{4-methoxyphenyl}-8-nitro-(9CI)
(CA INDEX NAME)

AMSVER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STE

αf

RL: PAC (Pharmacological activity): SPN (Synthetic preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): USES

(preparation of tricyclic heterocycles as PDE4 inhibitors for treatment

immune and inflammatory disorders and insulin resistant diabetes) 036627-26-0 CAPLUS

8-3002-72-0-0

CAPLOS

1-Dibenzofurancarboxamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-4(difluoromethoxy)-8-[(methylsulfonyl)amino]- (9CI) (CA INDEX NAME)

Title heterocyclic tricycles I [wherein Rl-R3, R5, R6, Ra = independently H, (un)substituted (cyclo)alkyl, (cyclo)alkenyl, alkynyl, (heterolaryl, heterocyclyl, alkyl), etc., R4 = HR5R6, heterocyclyl, Ar = (un)substituted aryl(alkyl), heterocyclyl, heterocyclyl, R = 0.30-2RR7, NR7500-R7 = H. GH, GM, (un)substituted aryl(alkyl), heterocyclyl, heterocyclyl, F = 0.5 n = 0-31 n = 1-41 and tsutomers, regioisomers, stareoisomers, enstiomers, disasterocmers, polymorphs, N-oxides, pharmaceutically acceptable salts, solvates, and compns. thereof) were prepared as phosphodiesterase type 4 (PDR) inhibitors. For example, N-43,5-dichloropyrid-4-yl)-4-methoxy-8-aninodibenzo[b, f]furan-1-carboxanide (prepared in six steps from isovanillio, 4-fluoronitrobenzene, and 4-anino-3,5-dichloropyridine) was coupled with methanesulfonyl chloride in HF and pyridine to give the sulfonenide II. The latter inhibited the PDR4-induced conversion of [3H] cMF to the corresponding [3H] S'-MF with ICSO of 0.5058 M. Thus, I and their pharmaceutical compns. are useful for the treatment of immune disorders, inflammatory conditions, allergic conditions, CNS diseases, and insulin resistant dishates, Inn. data].

778376-34-48, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((mathylsulfonyl)amino]dibenzo[b,d]furan-1-carboxanide 778576-37-79, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((hydroxycarbonylcarbonyl)amino]dibenzo(b,d]furan-1-carboxanide 778576-34-29, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((hydroxycarbonylcarbonyl)amino]dibenzo(b,d]furan-1-carboxanide 778576-34-29, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((hydroxycarbonylcarbonyl)amino]dibenzo(b,d]furan-1-carboxanide 778576-62-29, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((hydroxycarbonylcarbonyl)amino]dibenzo(b,d]furan-1-carboxanide 778576-62-29, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((hydroxycarbonylcarboxy-8-(mathylpiperazin-4-yl)carbonylamino]dibenzo(b,d)furan-1-carboxanide 778576-62-29, N.(3,5-Dichloropyridin-4-yl)-4-methoxy-8-((hydroxycarbonylcarboxy-8-(mathylpiperazin-4-yl)carbonylamino]d

not art DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:

PATENT INFORMATION: PD DATE PATENT NO. KIND APPLICATION NO. DATE A1 PRIORITY APPLN. INFO.: OTHER SOURCE(S): indias provising

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
778576-70-89, N-(3,5-Dichloropyridin-4-yl)-4-difluorcasthoxy-8[(bydroxycarbonylcarbonyl) anino]dibenzo[b,d]furan-1-carboxanide
778576-72-90, N-(3,5-Dichloropyridin-4-yl)-4-difluorcasthoxy-8[([dur-2-yl)carbonyl]anino]dibenzo[b,d]furan-1-carboxanide
778576-92-9, N-(3,5-Dichloropyridin-4-yl)-4-nathoxy-8-[[[(2-sthoxy-2-oxosthyl)anino]dibenzo[b,d]furan-1-carboxanide
778576-92-49, N-(3,5-Dichloropyridin-4-yl)-4-nathoxy-8-[2-sthoxy-2-oxosthylanino]dibenzo[b,d]furan-1-carboxanide
788176-92-49, N-(3,5-Dichloropyridin-4-yl)-4-nathoxy-8-[2-sthoxy-2-oxosthylanino]dibenzo[b,d]furan-1-carboxanide
788176-789-78, N-(3,5-Dichloropyridin-4-yl)-4-nathoxy-81-Dibenzofurancarboxanide, N-(3,5-dichloro-4-pyridinyl)-4-nathoxy-8-1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8-[(methylsulfonyl)amino]- (9CI) (CA INDEX NAME)

778576-37-7 CAPLUS 1-Dibenzofurancarboxanide, 8-(acetylamino)-N-(3,5-dichloro-4-pyridinyl)-4-methoxy- (9CI) (CA INDEX NAME)

778576-41-3 CAPLUS
Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl)amino]oxo- [9C1] (CA INDEX NAME)

LA ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STH (Continued)

FN 778576-42-4 CAFLUS
CN Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl) amino] carbonyl]-6-methomy-2 dibenzofuranyl] amino] oxo-, ethyl ester (9CI) (CA INDEX NAME)

RN 778576-49-1 CAPLUS
CN Carbamic acid, [9-[[(3,5-dichloro-4-pyridinyl) amino] carbonyl]-6-methoxy-2-dibenzofuranyl]-, phenyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPTRIGHT 2005 ACS on STN

RN 778576-54-8 CAPLUS
CN 1-Piperazinecarboxanida, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-msthoxy-2-dibenzofuranyl}-4-msthyl- (9CI) (CA INDEX NAME)

(Continued)

RN 778576-62-8 CAPLUS
CN 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridiny1)-4-(difluoromethoxy)-8-{(methylsulfony1)amino}- (9CI) (CA INDEX NAME)

LA ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued

RN 778576-66-2 CAPLUS
CN 1-Dibenzofurancarboxanide, 8-(acetylamino)-N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)- (9CI) (CA INDEX NAME)

RN 778576-69-5 CAPLUS
CN Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl)emino]carbonyl]-6[difluoromethoxy)-2-dibenzofuranyl]amino]oxo-, ethyl ester (9Cl) (CA

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

N 778576-70-8 CAPLUS
CN Acatic acid, [[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-(difluoromethoxy)-2-dibanzofuranyl]amino]oxo- (9Cl) (CA INDEX NAME)

RN 778576-72-0 CAPLUS
CN 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4(difluoromathoxy)-8-[(2-furanylcarbonyl)amino]- (9Ci) (CA INDEX NAME)

RN 778576-90-2 CAPLUS
CN Glycine, N-[[[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]amino]carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

P2CH-O-C-OEt

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ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STE

778576-92-4 CAPLUS Glycine, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]-, ethyl ester (SCI) (CA INDEX NAME)

778576-35-59 778576-36-69, N-(3,5-Dichloropyridin-4-yl)4-astboxy-8-[(sthylsulfonyl) anisoldibenzo[b,d] furan-1-carboxanide
778576-38-69, N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(3-chloropyr)l carbonyl) anisoldibenzo[b,d] furan-1-carboxanide
778576-39-99, N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8[(sthylcarbonyl) anisoldibenzo[b,d] furan-1-carboxanide 778576-40-29,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(text-buylcarbonyl) anisoldibenzo[b,d] furan-1-carboxanide 778576-43-89,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(hydroxycarbonylcarbonyl) anisoldibenzo[b,d] furan-1-carboxanide sodium salt 778576-44-69,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(fytr-2-yl) carbonyl] anisoldibenzo[b,d] furan-1-carboxanide 778576-44-69,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(cyclopropylcarbonyl) anisoldibenzo[b,d] furan-1-carboxanide 778576-44-89,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(syclopropylcarbonyl) anisoldibenzo[b,d] furan-1-carboxanide 778576-47-99,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(ethoxycarbonyl) anisoldibenzo[b,d] furan-1-carboxanide 778576-47-99,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-[(ethoxycarbonyl) anisoldibenzo[b,d] furan-1-carboxanide

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
[(ethylsulfonyl)amino]-SH-carbszole-4-carboxamide 778576-97-9F,
N-(3,5-Dichloropyridin-4-yl)-1-mathoxy-9-mathyl-6-propionamide-SH-carbszole-4-carboxamide 778576-98-0F, N-(3,5-Dichloropyridin-4-yl)-4-difluoromathoxy-8-[(mathylsulfonyl)amino]dibenzo[b,d]furan-1-carboxamide disodium salt 778575-99-1P 778577-06-9F,
N-(3,5-Dichloropyridin-4-yl)-4-difluoromathoxy-8acetamidodibenzo[b,d]furan-1-carboxamide sodium salt 778577-07-4F,
N-(3,5-Dichloropyridin-4-yl)-4-difluoromathoxy-8-[(fur-2-yl)-arboxyl)amino]dibenzo[b,d]furan-1-carboxamide sodium salt 778578-08-9F,
N-(3,5-Dichloropyridin-4-yl)-4-difluoromathoxy-8-[(fur-2-yl)-arboxyl)amino]dibenzo[b,d]furan-1-carboxamide sodium salt 778581-69-4F
Ri PAC (Pharmacological activity); SFM (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PDE4 inhibitor; prepn. of tricyclic haterocycles as PDE4 inhibitors for treatment of immune and inflammatory disorders and insulin resistant diabetes)
778576-35-5 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[(dimethylamino)sulfonyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

778576-36-6 CAPLUS 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8-[(ethylsulfonyl)amino]-4-methoxy- (9CI) (CA INDEX NAME)

RN 778576-38-8 CAPLUS

Alisver 2 of 3 Capus Corflich 2005 ACS on STN (Continued)
778376-48-09, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[[(isobutyloxy) carbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-30-49, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(cyclopropylasthoxycarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-32-69, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[[(trif fluoromathyl) mathoxyl carbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-32-79, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(divthylasino) carbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-79, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(divthylasino) carbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-99, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(docylopantylasinocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-99, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(acrpholin-4-yl) carbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-29, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(acrpholin-4-yl) carbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-29, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(isopropylasinocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-39, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(acthylaninocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-35-39, N-(3,5-Dichloropyridin-4-yl)-4-mathoxy-8[(acthylaninocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-37-99, N-(3,5-Dichloropyridin-4-yl)-4-dichloromethoxy-8[(acthylaninocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-37-99, N-(3,5-Dichloropyridin-4-yl)-4-dichloromethoxy-8[(acthylaninocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-37-99, N-(3,5-Dichloropyridin-4-yl)-4-dichloromethoxy-8[(disethylaninocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-37-39, N-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8[(disethylaninocarbonyl) axinol dibenzo(b, d] furan-1-carboxanide
778376-37-39, N-(3,5-Dichloropyridin-4-yl)-4-difluoromethoxy-8[(disethylaninol bitolocarboxyl) ax

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
1-Dibenzofurancarboxamide, 8-[(4-chloro-1-oxobuty1) amino]-N-(3,5-dichloro-4-pyridiny1)-4-methoxy- (9CI) (CA INDEX NAME)

778576-39-9 CAPLUS
1-Dibenzofurancerboxamide, N-{3,5-dichloro-4-pyridinyl}-4-methoxy-8-{{1-oxoproyyl} amino}-{9CI} (CA INDEX NAME)

1-Dibenzofurancarboxamide, N-{3,5-dichloro-4-pyridinyl}-8-[{2,2-dimethyl-1-oxopropyl}amino]-4-methoxy- (9CI) (CA INDEX NAME)

LA AMSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-43-5 CAPLUS
Acetic acid, [[9-[[(3,5-dichloro-4-pyridinyl)amine]carbomyl]-6-methoxy-2-dibenzofuranyl]amine]oxo-, monosodium salt (9CI) (CA INDEX MANE)

778576-44-6 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8-[(2-furanylcarbonyl)anino]-4-methoxy- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-47-9 CAPLUS
Carbamic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]-, ethyl ester [9CI] (CA INDEX NAME)

778576-48-0 CAPLUS
Carbamic acid, [9-[{(3,5-dichloro-4-pyridinyl)amino}carbonyl]-6-methoxy-2-dibencofuranyl}-, 2-methylpropyl ester [9CI] (CA INDEX NAME)

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LA ANSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

778516-45-7 CAPLUS
1-Dibenzofurancarboxamide, 8-[(cyclopropylcarbonyl)amino]-M-(3,5-dichloro-4-pyridinyl)-4-methoxy- (9Cl) (CA INDEX NAME)

778576-46-8 CAPLUS
1-Dibenzofurancarboxamide, 8-{bis(cyclopropylcarbonyl)amino}-N-(3,5-dichloro-4-pyridinyl)-4-methomy- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-50-4 CAPLUS
Carbanic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]-, cyclopropylmathyl ester [9CI] (CA INDEX NAME)

778576-51-5 CAPLUS
Carbamic acid, [9-[[(3,5-dichloro-4-pyridinyl)amino]carbomyl]-6-mathoxy-2-dibenzofuranyl]-, 2,2,2-trifluoroethyl ester (9CI) (CA INDEX NAME)

778576-52-6 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(diethylamino)carboxyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

ANSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-53-7 CAPLUS
1-Dibenzofurancarboxamide, 8-[[(cyclopentylamino)carbonyl]amino]-N-(3,5-dichloro-4-pyridinyl)-4-methomy- (9CI) (CA INDEX NAME)

778576-55-9 CAPLUS
1-Piperazinecarboxamide, N-[9-{{(3,5-dichloro-4-pyridinyl}amino|carbonyl}-6-mathoxy-2-dibenzofuramyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

LA ANSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-56-0 CAPLUS
1-Piperidinecarboxamide, N-{9-{{(3,5-dichloro-4-pyridinyl}amino}carbonyl}-6-methomy-2-dibenzofuranyl}-4-hydromy- (9CI) (CA INDEX NAME)

(Continued)

778576-57-1 CAPLUS
4-Horpholinecarboxmaide, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-mathoxy-2-dibenzofuranyl]- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-58-2 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-mathoxy-8-[{[{1-mathylethyl}amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

778576-59-3 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(hexylemino)carbonyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

(Continued)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 778576-60-6 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(ethylamino)carbonyl]amino)-4-methoxy- (9CI) (CA INDEX NAME)

778576-61-7 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8[[(methylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)

778576-63-9 CAPLUS
1-Dibenzofurancerboxamide, N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)-8-[(methylsulfonyl)amino]-, monosodium salt (9CI) (CA
INDEX NAME)

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ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STE

778576-64-0 CAPLUS
1-Dibenzofurancarboxemide, N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)-8-{(ethylsulfonyl)amino)- (9Cl) (CA INDEX NAME)

778576-65-1 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-[[(dimethylemino)sulfonyl]amino]-(9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-71-9 CAPLUS
Acetic acid, [[9-[[3,5-dichloro-4-pyridinyl]amino]carbonyl]-6(difluoromathoxy)-2-dibenzofuranyl]amino]oxo-, disodium salt (9CI) (CA
INDEX NAME)

778576-73-1 CAPLUS
1-Dibenzofurancerboxamide, 0-{acetylamino}-4-methoxy-N-phenyl- {9CI} (CA INDEX NAME)

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L4 AMSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STH (Costinued)

778576-67-3 CAPLUS
1-Dibenzofurancarboxamide, 8-{(2-chloro-1-oxobuty1)amino]-N-(3,5-dichloro-4-pyridiny1)-4-(difluoromethoxy)- (9CI) (CA INDEX HAME)

778576-68-4 CAPLUS
1-Dibenzofurancarboxanide, 8-{{cyclopropylcarbonyl}amino}-N-{3,5-dichloro-4-pyridinyl}-4-{difluoromethoxy}- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
778576-77-5 CAPLUS
1-Dibenzofurancarboxamide, 9-(acetylemino)-4-methoxy-N-(4-methoxyphenyl)(9C1) (CA INDEX NAME)

778576-83-3 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-8[[(eth)|amino|thioxomethyl]amino]-4-methoxy- (9CI) (CA INDEX NAME)

778576-84-4 CAPLUS
1-Dibenzofurancarboxamide, 8-[[(butylamino)thioxomethyl]emino]-N-(3,5-dichloro-4-pyridinyl)-4-methoxy- (9CI) (CA INDEX NAME)

L4 AMSTER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-85-5 CAPLUS
1-Dibenzofurancarboxamide, 8-{acetylamino}-4-methoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)

778576-87-7 CAPLUS
1-Dibenzofurancarboxamide, 8-(acetylamino)-N-(3,5-dichloro-1-oxido-4-pyridiny)-4-sathoxy- (9C1) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

778576-91-3 CAPLUS
Glycine, N-[[[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl]-6-methoxy-2-dibenzofuranyl]amino]carbonyl]- [9CI) (CA INDEX NAME)

778576-93-5 CAPLUS
Glycins, N-[9-[[(3,5-dichloro-4-pyridinyl)amino]carbonyl}-6-methoxy-2-dibenzofurapyl]- (GCI) (CA INDEX NAME)

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ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-88-8 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-1-oxido-4-pyridinyl)-4-mathoxy-8-[(methylsulfonyl)amino]- (9Cl) (CA INDEX NAME)

778576-89-9 CAPLUS 1-Dibenzofurancarboxamide, 8-(acetylamino)-4-methoxy-N-4-pyridinyl- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 778576-94-6 CAPLUS 9H-Carbacole-4-carboxamide, 6-(acetylamino)-N-(3,5-dichloro-4-pyridinyl)-1-methoxy-9-methyl- (9CI) (CA INDEX NAME)

778576-95-7 CAPLUS
9H-Carbazole-4-carboxamide, N-(3,5-dichloro-4-pyridinyl)-1-methoxy-9-methyl-6-[(methylsulfonyl)amino]- (9CI) (CA INDEX NAME)

778576-96-9 CAPLUS
9H-Carbazole-4-carboxamide, N-(3,5-dichloro-4-pyridinyl)-6[(ethylsulfonyl)amino]-1-methoxy-9-methyl- (9Cl) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

778576-97-9 CAPLUS
9H-Carbaxole-4-carboxamide, H-(3,5-dichloro-4-pyridinyl)-1-methoxy-9-methyl-5-((1-coxpropyl)mino|- (9CI) (CA INDEX NAME)

778576-98-0 CAPLUS
1-Dibenzofurancerboxanide, N-(3,5-dichloro-4-pyridicyl)-4-(difluoromethoxy)-8-[(methylsulfonyl)amino)-, disodium salt (9CI) (CAINUEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

• Na

778577-07-4 CAPLUS 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoramathoxy)-8-{(2-furanylcarbonyl)anino]-, monosodium salt (9CI) (CA INDEX NAME)

• Na

778581-69-4 CAPLUS
1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-mathoxy-8-[{trifluoroacetyl}amino]- (9CI) (CA INDEX NAME)

LA ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STH (Continued)

●2 Na

778576-99-1 CAPLUS
1-Dibenzothiophenecarboxamide, 8-(acetylamino)-N-(3,5-dichloro-4-pyridinyl)-4-methoxy-, disodium salt (9CI) (CA IMBEX NAME)

●2 Na

778577-06-3 CAPLUS
1-Dibenzofurancarboxamide, 8-{acetylamino}-N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)-, monomodium salt (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

treatment of immune and inflammatory disorders and insulin resistant

diabetes of lammine and inflammatory disorders and insulin resistant diabetes Aprils 685874-79-7 CAPIUS 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8-nitro-(9CI) (CA INDEX NAME)

(Continued) ANSWER 2 OF 3 CAPLES COPYRIGHT 2005 ACS on STN

685874-98-0 CAPLUS
1-Dibenzofurancerboxamide, 0-amino-N-(3,5-dichloro-4-pyridinyl)-4-methoxy-(SCI) (CA INDEX NAME)

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STN

(Continued)

778576-28-6 CAPLUS
9H-Carbazole-4-carboxamide, 6-amino-N-(3,5-dichloro-4-pyridinyl)-1-methoxy9-methyl- (9CI) (CA INDEX NAME)

778576-33-3 CAPLUS
9H-Carbazole-4-carboxemide, N-(3,5-dichloro-4-pyridiny1)-1-methoxy-9-methy1-6-nitro-(9c1)-(CA-1NDEX-NAME)

LA ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STR

685875-02-9 CAPLUS 1-Dibenzofurancarboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-nitro- (9CI) (CA INDEX NAME)

685875-03-0 CAPLUS
1-Dibenzofurancarboxamide, 8-amino-N-(3,5-dichloro-4-pyridinyl)-4(difluoromethoxy)- (9CI) (CA INDEX NAME)

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-74-2 CAPLUS
1-Dibenzofurancarboxamide, 4-mathoxy-8-mitro-N-phenyl- (9CI) (CA INDEX NAME)

778576-76-4 CAPLUS 1-Dibenzofurancarboxamide, 8-amino-4-methoxy-N-phenyl- (9CI) (CA INDEX NAME)

778576-78-6 CAPLUS
1-Dibenzofurancarboxamide, 4-methoxy-N-(4-methoxyphenyl)-8-nitro-(9CI)(CA INDEX NAME)

ANSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

778576-79-7 CAPLUS
1-Dibenzofurancarboxamide, 8-amino-4-methomy-N-(4-methomyphenyl)- (9CI)
(CA INDEX NAME)

778576-86-6 CAPLUS 1-Dibenzofurancarboxamide, 8-amino-4-methoxy-N-3-pyridinyl- (9CI) (CA INDEX NAME)

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN SSION NUMBER: 2004:370918 CAPLUS 440:391192

DOCUMENT NUMBER: TITLE:

INVENTOR (5):

140:391192
Preparation of dibenzofuran/dibenzothiophene
derivatives useful for the treatment of inflammatory
and allergic disorders
Balasubramanian, Gopalan, Gharat, Lamikant Atmaram,
Lakdawale, Aftab Bawoodbhair Anupindi, Raghu Rum
Glenmark Pharmaceuticals Ltd., India
PCT Int. Appl., 254 pp.
COMEN: PIXXOZ
Patent
English

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE:

English 1

FAMILY ACC, NUM. COUNT: PATENT INFORMATION:

|                   | PATENT NO.                             |              |       |       |    |       | KIND              |          | DATE |                | APPLICATION NO. |      |        |          |     | DATE |      |        |    |
|-------------------|--|--------------|-------|-------|----|-------|-------------------|----------|------|----------------|-----------------|------|--------|----------|-----|------|------|--------|----|
|                   | 90<br>90                               | 0 2004037805 |       |       |    | A1    |                   | 20040506 |      | WO 2003-IB4442 |                 |      |        | 20031008 |     |      |      | -      |    |
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|                   |  |              |       |       |    |       |                   | CM,      |      |                |                 |      |        |          |     |      |      |        |    |
|                   | CA                                     | 2503         | 3015  |       |    |       |                   | 2004     |      |                |                 |      |        |          |     |      |      |        |    |
|                   |  |              | 1262  |       |    |       |                   | 2005     |      |                |                 |      |        |          |     |      | 0031 |        |    |
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| GI                |  |              |       |       |    |       | MARPAT 140:391192 |          |      |                |                 |      |        | _        |     | }    | کید  |        |    |

LA ANSVER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

REFERENCE COUNT:

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

B Title compds. I [R1-3 = H, alk(en/ys)y], cycloalkyl, etc.; F = 0, S; n = 0-4; Ar = (un)substituted aryl, etc.; Y = carboxamido, aninosulfonyl, etc.] are prepared For instance, 4-mathoxydibenzofuran-1-carboxylic acid (preparation given) is converted to the corresponding acid chloride (PhH, SCC12, reflux, 4 h) and treated with 4-maino-3,5-dichloropyridine (PhH, THIF, NeH, -10') to give II. II has IC50 = 0.6 aft for PDM: I are useful for the treatment of inflammatory conditions, diseases of the central nervous and insulin resistant diabetes.

II 685874-79-79, N-{3,5-Dichloropyridin-4-yl]-4-methoxy-8-nitrodibenzofuran-1-carboxamide 685878-02-99, N-(3,5-Dichloropyridin-4-yl)-4-difluorcamethoxy-8-aninodibenzofuran-1-carboxamide 685878-03-09. N-(3,5-Dichloropyridin-4-yl)-4-difluorcamethoxy-8-aninodibenzofuran-1-carboxamide 685878-03-09. N-(3,5-Dichloropyridin-4-yl)-4-difluorcamethoxy-8-aninodibenzofuran-1-carboxamide RL: FAC (Pharmacological activity), FCT (Reactant), SFN (Synthetic preparation), THU (Therapeutic use), BIOL (Biological study), PREP (Preparation), NACT (Reactant) or resignant, USES (Uses) (preparation) ARCT (Reactant) or resignant, USES (Uses)

tment of inflammatory and allergic disorders)
655874-79-7 CAPJUS
1-Dibenzofurancerboxamide, N-(3,5-dichloro-4-pyridinyl)-4-methoxy-8-mitro(9CI) (CA INDEX NAME)

685875-02-9 CAPLUS 1-Dibenzofurancerboxamide, N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)-8-nitro- (9CI) (CA INDEX NAME)

ANSVER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

685875-03-0 CAPIUS 1-Dibenzofurancerboxemide, 8-amino-N-(3,5-dichloro-4-pyridinyl)-4-(difluoromethoxy)- (9CI) (CA INDEX NAME)

IT 68874-80-0P, N-(Fyridin-4-yl)-4-methoxy-8-nitrodibenzofuran-1carboxande 685874-81-1P, N-(Pyridin-3-yl)-4-methoxy-8nitrodibenzofuran-1-carboxande 685874-88-0P,
N-(3,5-Dichloropyridin-4-yl)-4-methoxy-8-minodibenzofuran-1-carboxande
R1: PAC (Pharmacological activity): SFN (Synthetic preparation): THU
(Therapeutic use): BIOL (Biological study): PREF (Preparation): USES
(USes)
(preparation of dibenzofuran/dibenzothiophene derivs. useful for
treatment
of inflammatory and allergic disorders)
RN 685874-80-0 CAPLUS
CN 1-Dibenzofurancarboxanide, 4-methoxy-8-nitro-N-4-pyridinyl- (9CI) (CA
INDEX NAME)

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

L4 ANSVER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

685874-81-1 CAPLUS 1-Dibenzofurancerboxamide, 4-methoxy-8-mitro-N-3-pyridinyl- (9CI) (CA NUMEX NAME)

685874-98-0 CAPLUS
1-Dibenzofurancarboxamide, 8-amino-N-(3,5-dichloro-4-pyridinyl)-4-methory-(9Cl) (CA INDEX NAME)

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